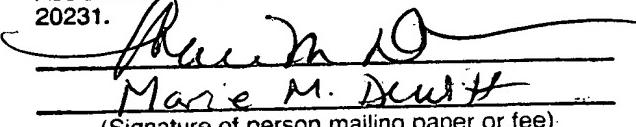


10-16525 Rec'd PCT/PTO 12 OCT 2000

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (REV 11-98)		ATTORNEY DOCKET NUMBER 3027.000
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR <b>09/673558</b>
INTERNATIONAL APPLICATION NO. <b>PCT/CA99/00364</b>	INTERNATIONAL FILING DATE <b>April 16, 1999</b>	PRIORITY DATE CLAIMED <b>April 16, 1998</b>
TITLE OF INVENTION <b>COMB-LIKE SOLID PHASE FOR MEASURING ANALYTES</b>		
APPLICANT(S) FOR DO/EO/US <b>Ronald R. Marquardt</b> <b>Zhibo Gan</b>		
 <p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p>		
<ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</li> <li><input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</li> <li><input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c) (2)) <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> has been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul> </li> <li><input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</li> <li><input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</li> <li><input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ul> </li> <li><input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li><input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li><input checked="" type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</li> <li><input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> </ol>		
<p><b>Items 13 to 20 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li><input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li><input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li><input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li><input type="checkbox"/> A substitute specification.</li> <li><input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li><input checked="" type="checkbox"/> Certificate of Mailing by Express Mail</li> <li><input type="checkbox"/> Other items or information:</li> </ol>		
<p><b>CERTIFICATE OF MAILING BY "EXPRESS MAIL"</b>  <b>EL405515996US</b>  <b>"EXPRESS MAIL" Mailing Label Number _____</b></p> <p><b>Date of Deposit</b> <u>10-12-00</u>  I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office To Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.</p> <p>  <u>Marie M. DeWitt</u>  (Signature of person mailing paper or fee)</p>		

U.S. APPLICATION NO. (IF KNOWN SEE 37 CFR <b>09/673503</b>	INTERNATIONAL APPLICATION NO. <b>PCT/CA99/00364</b>	ATTORNEY'S DOCKET NUMBER <b>3027.00014</b>		
21. The following fees are submitted:		<b>CALCULATIONS PTO USE ONLY</b>		
<b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :</b>				
<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... <b>\$1,000.00</b> <input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... <b>\$860.00</b> <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <b>\$710.00</b> <input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... <b>\$690.00</b> <input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) ..... <b>\$100.00</b>				
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>		<b>\$860.00</b>		
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)).		<input type="checkbox"/> 20 <input type="checkbox"/> 30 <b>\$0.00</b>		
<b>CLAIMS</b>		<b>NUMBER FILED</b>	<b>NUMBER EXTRA</b>	<b>RATE</b>
Total claims	21	- 20 =	1	x \$18.00 <b>\$18.00</b>
Independent claims	3	- 3 =	0	x \$80.00 <b>\$0.00</b>
Multiple Dependent Claims (check if applicable).		<input type="checkbox"/>		<b>\$0.00</b>
<b>TOTAL OF ABOVE CALCULATIONS =</b>		<b>\$878.00</b>		
Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable).		<input checked="" type="checkbox"/>		<b>\$439.00</b>
		<b>SUBTOTAL =</b>		<b>\$439.00</b>
Processing fee of <b>\$130.00</b> for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)).		<input type="checkbox"/> 20 <input type="checkbox"/> 30    +		<b>\$0.00</b>
		<b>TOTAL NATIONAL FEE =</b>		<b>\$439.00</b>
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).		<input type="checkbox"/>		<b>\$0.00</b>
		<b>TOTAL FEES ENCLOSED =</b>		<b>\$439.00</b>
		<input type="checkbox"/> <b>Amount to be: refunded</b> \$  <input type="checkbox"/> <b>charged</b> \$ 		
<input checked="" type="checkbox"/> A check in the amount of <b>\$439.00</b> to cover the above fees is enclosed. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.  <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. <b>11-1449</b> A duplicate copy of this sheet is enclosed.				
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.				
SEND ALL CORRESPONDENCE TO:				
<b>Amy E. Rinaldo</b> <b>KOHN &amp; ASSOCIATES</b> <b>30500 Northwestern Hwy.</b> <b>Suite 410</b> <b>Farmington Hills, Michigan 48334</b> <b>(248) 539-5050</b>		 <b>SIGNATURE</b> <hr/> <b>Amy E. Rinaldo</b> NAME _____ <b>45,791</b> REGISTRATION NUMBER _____ <b>October 12, 2000</b> DATE _____		

Applicant or Patentee: Ronald R. Marquardt et al

Serial or Patent No: \_\_\_\_\_

Filed or Issued: \_\_\_\_\_

For: COMB-LIKE SOLID PHASE FOR MEASURING  
ANALYTES

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) and 1.27(d))--NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

Name of Organization: Manitoba Cancer Treatment & Research Foundation

Organization Address: 100 Olivia, Room ON206  
Winnipeg, Canada R3E-0V9

Type of Organization:

- University or other Institution of Higher Education
- Tax exempt under Internal Revenue Service Code  
(26 USC 501(a) and 501(c)(3))
- Nonprofit Scientific or Educational under Statute of  
State of \_\_\_\_\_, USA, Statute No. \_\_\_\_\_
- Would Qualify as Tax Exempt under Internal Revenue  
Service Code (26 USC 501(a) and 501(c)(3) if located  
in the United States of America (State: \_\_\_\_\_)  
(Citation of Statute: \_\_\_\_\_)

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under Section 41(a) and 41(b) of Title 35, of United States Code with regard to the invention as entitled above.

Described in:

- the specification filed herewith with title as listed above
- the application identified above.
- the patent identified above.

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below\* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or nonprofit organization under 37 CFR 1.9(e).

- \* Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

Each such person, concern or organization having any rights in the invention is listed below:

- No such person, concern, or organization exists.  
 Each such person, concern or organization is listed below.

NAME: University of Manitoba

ADDRESS: Administration Building, Room 202  
Winnipeg, Manitoba, Canada R3T-2N2

Individual  Small Business  Nonprofit Organization

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_  
\_\_\_\_\_

Individual  Small Business  Nonprofit Organization

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. [37 CFR 1.28(b)]

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Name of Person Signing: Dr. Brent Schacter

Title in Organization: President/CEO

Address of Person Signing: 100 Olivia, Room ON206

Winnipeg, Manitoba, Canada

SIGNATURE: Brent Schacter Date: 10-12-00

Attorney's Docket Number:

3027.00014

PATENT

Applicant or Patentee:

Ronald R. Marquardt, et al

Serial or Patent No.:

\_\_\_\_\_

Filed or Issued:

\_\_\_\_\_

Title:

COMB-LIKE SOLID PHASE FOR MEASURING ANALYTES

**VERIFIED STATEMENT CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) and 1.27(d) — NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

Name of Organization:

The University of Manitoba

Organization Address:

Administration Building - Room 202

Winnipeg, Manitoba, CANADA R3T 2N2

Type of Organization:

- University or other Institution of Higher Education
- Tax exempt under Internal Revenue Service Code  
(26 USC 501(a) and 501(c)(3))
- Nonprofit Scientific or Educational under Statute of State of the United States of America State: \_\_\_\_\_  
Citation of Statute: \_\_\_\_\_
- Would Qualify as Tax Exempt under Internal Revenue Service Code (26 USC 501(a) and 501(c)(3)) if located int he United States of America (State: \_\_\_\_\_)  
(Citation of Statute: \_\_\_\_\_)

I hereby declare that the nonprofit organization identified above qualified as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under Section 41(a) and 41(b) of Title 35, of United States Code with regard to the invention as entitled above.

Described in:

- the specification filed herewith with title as listed above.
- the application identified above.
- the patent identified above.

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below\* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d) or nonprofit organization under 37 CFR 1.9(3).

- **Separate verified statements are required from each person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)**

Each such person, concern or organization having any rights int he invention is listed below:

- No such person, concern, or organization exists.  
 Each such person, concern or organization is listed below.

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_  
\_\_\_\_\_

Individual     Small Business     Nonprofit Organization

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_  
\_\_\_\_\_

Individual     Small Business     Nonprofit Organization

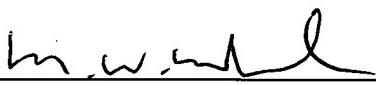
I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. [37 CFR 1.28(b)]

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Name of Person Signing: M.W. McAdam

Title in Organization: Vice-President, Administration

Winnipeg, Manitoba, Canada R3T 2N2

Signature:  Date: October 12, 2000

(Small Entity-Nonprofit [Form 7-3] — Page 2 of 2)